

The Feldspars. Phase Relations, Optical Properties, and Geological Distribution, by
A. S. Karpenko,
KIEVSKII, per, Trudy Instituta Geologii i Mineralogii
Akademii Nauk SSSR, Petrografia, Mineralogia i
Geokhimia, No 78, 1962, 259 pp.
REF ID: A65-60091

61

Sci-Mar Sci
Oct 66

S13,091

New Optical Orientation Diagrams for the Alkali
Feldspars, by A. S. Marfunin, 3 pp.

RUSSIAN, ~~etc.~~, Dok Ak Nauk SSSR, Vol CXXXIII, No 4,
1960, pp 939-942.

AGI

Sci

Aug 61

163, 838

Chemical Bond Estimation From Superfine
Structure of Electronic Paramagnetic Resonance
Spectra of Manganese, by L. V. Bershov,
A. S. Marfumin, 7 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CLV,
No 3, 1964, pp 632-636.
JPRS 25115

Sci - Chem
Jun 64

261,992

Errors in Measurements on a Fedorov Stage, Due to
Birefringence in Glass Segments, by A. S. Marfunin,
4 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Geol, No 11,
1959, pp 98-100.

AGT

Sci

Jun 61

157, 957

Centennial of Microscopic Petrography, by
A. S. Marfunin, 4 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Geolog,
No 1, 1960, pp 120-124.

Amer Geolog Inst

Sci

132, 545

Nov 60

APPROVED FOR RELEASE: Tuesday, November 13, 2001

CIA-RDP84-00581R0001

A Kuv Diagram for the Optical Properties of Acid
and Intermediate Plagioclase, by A. S. Marfunin,
2 pp.

RUSSIAN, par., Dok Akad Nauk SSSR, Vol CIVIII, No 6,
1958, pp 1183-.

Consultants Bureau

See 1 - Decophys

Jan 59

79,978

APPROVED FOR RELEASE: Tuesday, November 13, 2001

CIA-RDP84-00581R0001

The Optics of Submicroscopically Twinned Crystals, by A. S. Marfman, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVII,
No 4, 1959, pp 869-872.

AGI

Sci

Jun 61

152, 269

The Isolation of Variola Virus in eggs,
by S. S. Marennikova, 5 pp.

ПРИЧАСТЬ, 1960, Том 30, № 6, стр. 102-106.
Vol. XXXI, No 6, 1960, pp 102-106.

PP

165,589

Sci.

May 61

Hydrography and Phytoplankton of the Castellon
Coast From July 1957 to June 1958, by R.
Margalef.

SPANISH, per, Investigacion Pesquera,
Vol XV, 1959, pp 3-38.

CSIRO 5275

Sci - Geophys
Jul 62

207, 621

English Title Unknown, by R. Margaria.
GESSMAN, per, Arbeitsphysiologie, 1930, pp 261-272.
NASA TT F-11,774

R. Margaria

June 68

Some Important and Urgent Problems of Aviation
Medicine, by Prof R. Margaria, 13 pp. UNCLASSIFIED

Full translation.

ZEALIAN, per, Revista Di Medicina Aviacionica, Vol
XXXX, No 3, 1950, pp 551-552.

AMC T-58-7717

A 7599

Scientific - Medicine

W Eur - Mil - Medical - Human Physiology

Human Ability to Walk Under Decreased Air
Pressure, by R. Margaria.
GIGIAT, par, Arbeitsphysiologie, Vol 2,
1950, pp. 261-272.
RUSA TT 1-11,774

53

Sci
Doc 60

371,205

Vulcanization of Rubber, by V. B. Margaritov, 529
MESSIAN, per, Geopoliti Material, Vol 10, 1941, No 2,
pp. 224-255
SMA TR-62-10686
SMA TR-61-20358

V. B. Margaritov

ack - last
July 67

330,845

Conductivity of Weakly Ionized Air at High Frequencies, by H. Margenau, E. Desloge, D. Stillinger, 10 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Fiz, Vol XXIII,
No 8, 1959, pp 1040-1049.

Columbia Tech

Sci

Oct 60

130,307

Naltr, and KCl Compounds, by Robert Romestain,
Jean Margerie, 5 pp.
FRENCH, per, Compos. Recens., Vol CCLVIII,
2 Mar 1964, pp 2525-2528. 9224945
AEC-ORNL-Tr-156

Sci-Chem
Nov 64

268,721

Pseudomonas Aeruginosa Infections (Pyocyanous Infections) in Infants and Young Children,
by Rosato Paul, H. Marget, 13 pp.
GERMAN, per, Dtsch Med Wochenschrift, 1963,
v. 88, No. 34, pp 1638-1643.

20

SLA 27 64-18635

H. Marget

Jul 66

305,423

Researches on the Behavior of Different Mineral Substances, of Phosphatase, Cholesterol, total-protein and Residual-urea Content, and of Serum-protein Fractions After Fracture Trauma and Nailed Fractures, by G. Haase, W. Marggraf, 17 pp.

GERMAN, per, Langenbecks Arch u Dtsch Z Chir,
Vol CCLXXX, No 6, 1955, pp 681-647.

NIH 9-2

Scientific - Biology
Nov 56 CTS

40,424

Blood Transfusion and Blood Clotting. Changes in Individual Clotting Factors or Clotting Complexes in Stored Blood and the Influence of the Intravascular Clotting Milieu in Humans After Transfusion of Stored Blood and Fresh Blood, by Wilhalm Marggraf, 18 pp.

ONTMAHL, per, Erg d Bluttransfachg, No 3, 1957,
pp 108-120.

MM 4-6

Sci - Med

86.004

May 50

The Reaction of Nitrites With Amino-Sulfonic Acid
and an Identification and Determination of Nitroso
Acid in the Presence of Nitric Acid, by Paul Feury and
Ilse Marggraff.

GERMAN, per, Ber, Vol LXIII, 1930, pp 1019-1024.

AEC Tr 1673

EEur - Germany
Scientific - Chemistry

Sep 53 CIS

5686

APPROVED FOR RELEASE: Tuesday, November 13, 2001

CIA-RDP84-00581R0001

Determination of the Tannins in Wine by
Ultraviolet Spectrophotometry, by
G. Margheri.

ITALIAN, per, Revista di Viticoltura e
di Enologia, Vol XIII, 1960, pp 401-406.

CSIRO/No 6212

Sci-Chem
Jun 63

234, 612

APPROVED FOR RELEASE: Tuesday, November 13, 2001

CIA-RDP84-00581R0001

APPROVED FOR RELEASE: Tuesday, November 13, 2001

CIA-RDP84-00581R0001

ECONOMIC EFFECTIVENESS OF NEW TECHNOLOGY IN THE
MECHANIZATION OF AGRICULTURE, BY N. MARCHIBAN,
I. DIANDU, 31 PP

ROMANIAN, PERIODICAL PROBLEME ECONOMICE, VOL XVI, NO 7,
1963, PP 49-63

JPRS 21150

EC-ROUMANIA
ECON
SEP 63

343,98

APPROVED FOR RELEASE: Tuesday, November 13, 2001

CIA-RDP84-00581R0001

The Behavior of the Cutaneous Electric
Resistance in Parkinsonian Syndromes,
by G. Margherita,
ITALIAN, per, Acta Neurol., Vol 19, No 5,
1964, pp 698-706.
NII 5-47-65(On Loan)

G. Margherita

Sci/BUN
Jul 65

283,667

The behavior of the Cutaneous Electrical
Resistance in Parkinsonian Patients after
Thalamolysis, by G. Margherita,
ITALIAN, per, Acta Neurol, Vol 19, No 5,
1964, pp 707-713.
NIH 4-61-65

Sci-B&H
May 65

280,901

(DC-1689)

Technical Means of Increasing Agricultural Production of Collective Farms in Cluj Regiune, by I. Margineanu, 16 pp. UNCLASSIFIED

RUMANIAN, no per, Probleme Agricole, Vol IX, No 12, Bucharest, Dec 1957, pp 76-88.

US JPRS/DC-L-423

EEur - Romania
Eco - Agriculture

66,08d

Progress Report on the Development of the
Russian Aluminum Industry, by Ion Margineanu,
Series II, Volume 3, pp.
BUREAU OF INTELLIGENCE, THE ECONOMIC INFORMATION
20 MAY 1964, P. 1.
JFAB 3548

100-240002
Book
Aug 64

266-187

MARGINEANU, 10 N

APPROVED FOR RELEASE: Tuesday, November 13, 2001

CIA-RDP84-00581R0001

The Complex Relation on the Asian and Soviet-Chinese
Scientific Collaboration, by A. Margolin, 2 pp.

RUSSIAN, per, Voprosy Ekonomiki, Vol 1, No 7, 1958,
pp 156-158.

Internat'l Arts and Sci Press

USSR
Econ
Dec 58

78,453

APPROVED FOR RELEASE: Tuesday, November 13, 2001

CIA-RDP84-00581R0001

Specialization and the Comprehensive Development
of the National Economy of the Economic-
Administrative Areas of the Far East, by
A. B. Margolin, 15 pp.

RUSSIAN, rpt, Problemy Narodnogo Khozyaystva
Dal'nego Vostoka, 1963, pp 213-239.

ACSI I-3722
ID 2251748

Far East
USSR
Bcon
Dec 63

244,027

Stability of Burning of Porous Explosives,
by A. D. Margolin, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXL, No 4,
1961, pp 867-869. 9664226

PTD-PR-61-389
OTIA 19114

Sci - Phys
2 Mar 62

186, 256

THE LEADING STAGE OF COMBUSTION, BY A. D. MARGOLIN,
4 PP.

RUSSIAN, PER, DOK AK NAUK SSSR, VOL CXLI, NO 5,
1961, PP 1131-1134.

CB

SCI - PHYS CHEM

SEP 62

209,640

APPROVED FOR RELEASE: Tuesday, November 13, 2001

CIA-RDP84-00581R0001

On the Influence of the Temperature and Constant Pressure, by A. D. Margolin, 17 pp.

RUSSIAN, per, Inzhenernyy Zhurnal, Vol. III, No 3, 1963.

JPRS 22567

Sci.
Jan 64

246, 234

APPROVED FOR RELEASE: Tuesday, November 13, 2001

CIA-RDP84-00581R0001

The Leading Stage of Burning, by A. D.
Mergolin, 6 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Fiz Khim,
Vol CXXI, No 5, 1961, pp 1131-1134.
9677231

FTD-TP-62-229

Sci - Phys
18 Jun 62

201, 158

(SF-1330)

Meeting of Petroleum-and-Gas and Chemical Societies,
by D. L. Margolin, 11 pp.

RUSSIAN, per, Zhur Vsesoyuznogo Khim Obshch imeni
D. I. Mendelejeva, Vol V, No 4, Aug 1960,
pp 460-465.

JPRS 4332

Sci - Chem

135, 276

Feb 61

(SP-1879)

Results of the Competition for the Best Works of the
Central Board of the All-Union Chemical Society
Imeni D. I. Mendeleev for 1959, by D. L. Margolin,
G. A. Rukasov, 15 pp.

RUSSIAN, per, Zhur Vses Khim Obshch imeni D. I.
Mendelejeva, No 1, 1961, pp 102-107.

JPRS 11920

180,387

Sci - Chem

Jan 62

(NY-4880)

Sixty Ninth Report and Electro Meeting of the
All-Union Chemical Society imeni I. Mendeleyev,
by D. L. Margolin, 22 pp.

RUSSIAN, par, Zhur Vsesoyuznogo Khim Obshch imeni
D. I. Mendeleyeva, Vol V, No 1, 1960, p 97-101.

JPRS 7515

Sci - Chem

Feb 61

139,271

X-Ray Investigation of the Nature of Fracture Under Impact Loading, by D. M. Vasil'ev, G. I. Margolin, S. V. Dianov, 6 pp.

RUSSIA, no per, Zhur Tekh Fiz, Vol XXVI, No 9, 1956, pp 2119-2124.

Amer Inst of Phys
Soviet Phys-Tech Phys
Vol I, No 9

Sci - Physics
Oct 57

54, 56!

APPROVED FOR RELEASE: Tuesday, November 13, 2001

CIA-RDP84-00581R0001

Voluminous and Shaped Yarn From Chemical Fibres, by I. Margolin.

RUSSIAN, per, Tekstil'naya Promy, Vol XXI,
No 1, 1961, pp 14-19.

CSIRO/No 5749

Sci-Chem
Mar 63

225,289

APPROVED FOR RELEASE: Tuesday, November 13, 2001

CIA-RDP84-00581R0001

Fundamentals of Infrared Technology, by I. A.
Margolin, M. P. Rumyantsev, 318 pp, (AF 708468).

RUSSIAN, bk, Osnovy Infrakrasnoy Tekhniki, 1955,
264 pp. CIA D 603.239 also 603334

CIA 604259-C

ATIC F-TS-10089/V

Sci - Physics
Aug 57

51, 205-

Infrared Instruments for Military Purposes, by I. A.
Margolin, N. P. Rumyantsev, 44 pp.

RUSIAN, bk, Osnovy Infrakrasnoi Tekhniki, 2nd Ed.,
1957, pp 276-303. CIA 647192

ATIC T-TR-9672/v

Sci - Electron
Apr 59

85,017

Letter to the Editor Concerning the Paper by
N. V. Churaev, by I. Z. Margolin, 2 pp.

RUSSIAN, per, Kolloid Zhur, Vol XVII, No 1,
Jan-Feb 1955, pp 76. CIA D 151334

Consultants Bureau

24,437

Scientific - Chemistry Jun 55 CTS/DEX

Short Period Forecasting of High-Water Hydrographs,
by L. M. Mays, 63 pp.
EUSCAN, pub. Missouri : District, Moosier, No 7,
1954, pp. 11-25.
JPR5 20139

Set - 12/A
Sep 64

206,102

METEOROLOGICAL AND HYDROLOGICAL NOTES. ITIDS, BY
L. M. KARPOLIN, N. S. CHIKHACHEV, ET AL., 5 PP.

RUSSIAN, PER, MET-1 GID, NO 10, 1963, PP 63, 64.

JPRS 22048

SCI-EAR SCI
DEC 63

242;989

(NY-2900/5).

Air-Separation Units, by K. N. Ivanov, L. R.
Margolin, 6 pp.

RUSSIAN, per, Kislorgd, No 2, 1959.

JPRS-1982-N

USSR
Econ - Technological - Chemical Machinery
Nov 59

100,555

(NY-2900/2).

Nitrogen
Small and Medium Capacity Installations for the
Production of Liquid and Gaseous Nitrogen, by
K. N. Ivanov, L. R. Margolin, V. D. Zubchik, 8 pp.

RUSSIAN, per, Kirovograd, No 1, 1959.

JPRS-1798-N

USSR
Econ
Jul 59

93,099

Calculation of a Vacuum-Tube Oscillator With a
Complex Load Under Overloaded Operating Conditions,
by M. G. Margolin, 16 pp.

RUSSIAN, per, Radiotekh, Vol XIII, No 10, 1958,
pp 29-38.

PP

Sci - Engr
Oct 59

99,127

The Relationship Between Valve and Transistor Para-
meters, by M. G. Margolin, 10 pp.

RUSSIAN, per, Radiotekhnika, Vol XIII, No 2, 1958,
pp 79-85.

Pergamon Press

Sci - Electron

Sep 59

96,670

Auto Anode Modulation of Tube Oscillators,
by N. G. Margolin, 23 pp, (AF 640651).

RUSSIAN, bimo per, Radiotekhnika, No 4,
Jul/Aug 1954, p 33. CIA V 6150

ATIC F-TB-8442/V

Scientific - Electronics 34,976

Jun 56 CRS/dex

APPROVED FOR RELEASE: Tuesday, November 13, 2001

CIA-RDP84-00581R0001

Magnetic Investigations of Alloys of the
System Cr-Ge, by S. D. Margolin, I. G.
Fakidov, 4 pp.

RUSSIAN, per, Fiz Metal i Metallov, Vol
No 6, 1960, pp 823-827.

PP

~~Sci~~

156, 183

Jun 61

APPROVED FOR RELEASE: Tuesday, November 13, 2001

CIA-RDP84-00581R0001

Application of the Photoresistance of CdS in
Combination With Phosphors as a Detector for
Cobalt-60 Gamma Rays, by S. D. Margolin, I. G.
Fakidov,

RUSSIAN, par, Dok Ak Nauk SSSR, Vol CV, 1955,
pp 976-977.

AEC Tr-4000

Sci - Chem

May 60

117, 363

R-900

(NY-2928).

Measures for Sharp Curtailment of Output of Anthracite
Fines in the Donbass, by V. A. Margolin, 11 pp.

RUSSIAN, per, Ugol', No 7, 1959, pp 55-58.

JPRS-L-978-N

USSR
Econ - Coal Industry
Sep 59

97691

Influence of Small Additions upon Crystallization and Physical Properties of Some Alloys and Alloy Steels, by V. Messkin, Y. Margolin, 16 pp.

RUSSIAN, per, Stal, Vol I, No 5, 1941, pp 47-53. (loan copy only)

SLA R-1927

Sci
Aug 58

70,961

Hydrogen in Transformer Steel, by V. S. Mes'kin,
Yu. M. Margolin.

Full translation.

RUSSIAN, per, Soobshcheniya Leningradskogo Instituta
Metallov, No 13, 1933, pp 42-82.

Brutcher Tr No 57

e
Scientific - Chemistry Jul 53 CTS/DEX
Price \$1.50

2970

The Freezer-Fishing Trawler, by M. I. Dianidov, S. G.
Margalina URCL

ESIMN, per, Sudostroyeniye, Vol XXV, No 4, 1970.

Navy Tr 2841/BuShiy's 749

SR
ion
R 61

160,997

Magnetic Structure of Small Monocrystalline
Particles of MnBi Alloy, by Ya. S. Shur, E. V.
Shtol'ts, V. I. Margolina, 5 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XXXVIII,
No 1, 1960, pp 46-50.

Amer Inst. of Phys
Sov Phys - JETP
Vol XI, No 1

Sci -
Aug 60

122,138

Concerning the Nature of the Self-Adhesion
(Autohesion) of High-Molecular Substances, by
S. S. Voyutskiy, Yu. L. Margolina, 30 pp.

RUSSIAN, per, Uspekhi Khim USSR, Vol XVIII,
No 4, 1949, pp 449-461.

SLA 59-15938

Sci
Dec 59
Vol 2, No 4

103,781

Concerning the Nature of the Self-Adhesion (Autohesion)
of High-Molecular Substances, by S. S. Voyutskiy,
Yu. L. Margolina, 30 pp.

RUSSIAN, per, Uspekhi Khim, Vol XVIII, No 4, 1949,
pp 449-461.

SLA 59-15938

Sci - Chemistry
Nov 59

103, 310

Hydrography and Phytoplankton of the
Castellon Coast From ~~XX~~ ~~IX~~ July 1956 to
June 1957, by J. Herrera, R. Margaleff.

SPANISH, per, Investigacion Pesquera, No 10,
1957, pp 17-44.

CAIRO Tr 5279

LA - Spain
Geog
Oct 61

171,337

INVESTIGATION OF TONIC REFLEXES ON STIMULATION
OF DIFFERENT HUMAN SENSE ORGANS, BY G. M.
MARGOLIN, 6 PP.

RUSSIAN, PER, FIZIOL ZHUR SSSR IMENI
I. M. SECHONOVA, VOL XLVIII, NO 1, 1962,
PP 95-97. 9665945

FTD-TT-62-558

SCI - MED
AUG 62

207,962

The State of Affairs and Problems of Our Party
Organization in the People's Democracy of Bulgaria,
by Alekos Margaris, 13 pp.

Full Translation.

GREEK, por, Eros Kosmos, Vol C. No 11, Athens, Nov
1951, Enc1 1 to State Dept Despatch 1295, Athens,
28 Apr 1952.

State Tr

EEU - Bulgaria, Greece

A7.78

Political - Communism

Jun 54 GTS EEU

CIA 77133

(NY-2948)

(S-5385)

For the Fulfillment of the Seven-Year Plan Ahead of Time, by D. A. Margolis, 3 pp.

RUSSIAN, per, Radiot Prom SSSR, No 7, 1959, pp 6-8.

JPRS-L-1016-N

Sci - Ned
Nov 59

100,568

Simultaneous Microdetermination of Carbon, Hydrogen
and Sulfur, by E. I. Margolis, N. P. Egorova, 9pp.

RUSSIAN, per, Vestnik Moskov Univ, Ser Matematiki,
Mekhaniki, Astronomii, Fiziki, Khimii, Vol XIII,
No 4, 1958, pp 209-213.

SLA 6J-10247
ATS RJ-2019
ATS-PIL 34/K

Sci - Chem

Jen 60

105,681

The Problem of the Study of Night Vision of Certain
Ship Specialists, by E. M. Margolis, 2 pp.

RUSSIAN, no per, Voprosno-Med Zhur, No 12, 1955,
pp 61-65, Encl to IR 1265-57, AFOIN-1A1.

AF 1083495

46,365

Sci - Medicine
Apr 1957 CTS/dex

The Reaction of Potassium Chloride With a Mixture
of Sulfur Dioxide, Water and Steam, by F. G.
Margolis, Z. N. Lunskaya, S. I. Volkovich,
6 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XXVIII, No 5,
May 1955, pp 453-458. CIA C 39706

28/9/2 Consultants Bureau
Scientific - Chemistry Nov 55 CTS/DEX

Oxidation of NH₃ with O₂ in the Presence of Water
Vapor, by F. G. Margolis, A. M. Dubovitzkiy, 12 pp.

RUSSIAN, Trans Sci Inst Fertilizers, No 92, 1932,
pp 59-67.

SLA R-8078

Sci

Jul59

92, 353

The Dendritic Structure of the Ammonium Nitrate
and its Effect on Caking of the Salt, by A. M.
Dubovitsky, F. G. Margolis, and T. V. Glazova,
6 pp.

RUSSIAN, no per, Zhur Prik Khim, Vol XXVII, No 4,
Apr 1954, pp 368-375. CIA C 38934

Consultants Bureau

Scientific - Chemistry

CXS 73/Oct 55

27,004

The Production of Dicalcium Phosphate and Ammonium Nitrate by the Nitric Acid Decomposition of Phosphates, by F. G. Margolis et al.

RUSSIAN, per, Khim Prom, No 1, pp 26-31.

ATS RJ-1705 1956

ATS-64L30R

Sci - Chem

Jul 59

90,869

Margolis, F.G., Lunskaya, Z.N. and
Volkovich, S.I.
REACTION DU CHLORURE DE POTASSIUM AVEC UN
MELANGE D'ANHYDROIDE SULFUREUX D'AIR ET DE
VAPEUR D'EAU (Vzaimodeistvie Khloristogo Kaliya so
Smes'yu Sernistogo Gaza, Vozdukh i Vodyanogo Para)
(The Reaction of Potassium Chloride With a Mixture of
Sulfur Dioxide Water and Steam). 18p. (foreign text
included) 2refs. CNRS-VIII bis 338.
Order from OTS, ETC or CNRS \$1.60 TT-62-28169

Trans. in French of #Zhurnal Prikladnoi Khimii
(USSR) 1955, v.28, no.5, p.453-458.

DESCRIPTORS: *Potassium compounds, Chlorides,
Sulfur compounds, Dioxides, Air, Water vapor,
*Sulfates, Catalysts, Pyrites.

(Chemistry--Inorganic, TT, v. 11, no. 8)

TT-62-28169

I. Margolis, F.G.
II. Lunskaya, Z.N.
III. Volkovich, S.I.
IV. CNRS-VIII bis 338
V. Centre National de la Recherche Scientifique, Paris

Office of Technical Services
European Translators Centre

The State and Trends of Fertilizer Manufacture by the
Nitric Acid Treatment of Phosphates in the Capitalist
Countries, by A. M. Dubovitsky, P. G. Margolis, 10 pp.

Full tr

RUSSIAN, no per, Zhur Prik Khim, Vol XXIX, No 3, 1956,
pp 321-329. CIA 9000995-C, Reel No 42

Consultants Bureau

40,504

Sci - Chemistry
Nov 56 CBS

Margolis, L. D.
OXIDATION OF TOLUENE TO BENZALDEHYDE.
[1961] 6p. 18 refs.
Order from OTS or SLA \$1.10

61-18033

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1941,
v. 14, p. 827-833.

DESCRIPTORS: *Toluenes, Oxidation, *Benzaldehydes,
Electrolysis, *Electrochemistry.

Oxidation of toluene to benzaldehyde can be carried out with oxidizing agents capable of electrolytic regeneration. For this purpose a solution of manganese sulfate in sulfuric acid of specific gravity 1.500 is suitable. The oxidizing agent may be regenerated in an apparatus with lead electrodes without a diaphragm. This may easily be carried out under plant conditions. The optimal conditions of oxidation of toluene and of regeneration of the oxidizing agent are: (a) specific gravity of sulfuric acid used for the bath, 1.500; (b) temperature (Chemistry--Organic, TT, v. 6, no. 7) (over)

at which the current is passed, 500; (c) current density

61-18033

I. Margolis, L. D.

Office of Technical Services

61-18033

Modification of Catalysts for the Oxidation
of Hydrocarbons, by L. Ya. Margolis,
E. Kh. Enikeyev, et al, 7 pp.

RUSSIAN, per, Kinetika i Kataliz, Vol III,
No 2, 1962, pp 181-188.

CB

Sci

Jan 63

220,668

Kinetics of the Oxidation of Propylene to Acrolein
on Copper Catalyst, by O. V. Isayev, L. Ya. Margolis,
4 pp.

RUSSLAN, per, Kinetika i Kataliz, Vol I, No 2,
1960, pp 237-241.

CB

Sci
Jul 61

161, 254

The Mechanism of the Reaction of Acrolein on a Cupric Oxide Catalyst, by O. V. Isayev, L. Ya. Margolin, I. S. Sazonov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIX, No 1,
1959, pp 141-144.

~~RUSSIAN, per, No,~~

1959

CB

Sci

Oct 60

131,245

Physical Investigations in the Field of the
Ammonia-Soda Process. IV. Kinetics of Crystallization of Sodium Bicarbonate Out of Supersaturated
Solutions, by A. P. Belopol'skiy, F. G. Margolis,
26 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XX, No 4, 1947,
pp 331-344.

Sci Tr Center
RT-1594

Scientific - Chemistry

CTS/DEX

18,781

Catalytic Oxidation of Various Classes of
Organic Compounds in a Jet, by
L. Ya. Margolis, O. II. Todes.
RUSSIAN, per, Zh Obshchey Khim, Vol 19,
No 6, 1948, pp 1043-1050.
Dept of Navy NRL Trans No 1171

Sci-Chem
June 69

383,154

The Effect of the Surface Charge of Zinc Oxide
on the Rate of Chemisorption of Oxygen, by E. Kh.
Emil'yev, L. Ya. Margolis, S. Z. Roginskij, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIX, No 2,
1959, pp 372-375.

CB

Sci

Oct 60

130,070

Fundamental Relationships in the Catalytic Oxidation
of Hydrocarbons. I. Adsorption of Hydrocarbons
on Oxidation Catalysts, by L. Ya. Margolis.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk SSSR,
No 10, 1958, pp 1175-1183. 904000-7

ATS RJ-1921

HTS-99L 34R

Sci - Chem
Dec 59

104,095

Modification of a Silver Catalyst by Organic
Halogen Compounds, by Yu. N. Stepanov, L. Ya.
Margolin, S. Z. Rogofinskii, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXV,
No 2, 1960, pp 369-372.

B EK CB

Sci

167, 393

Jul 61

Mechanism of the Catalytic Oxidation of Simple
Unsaturated Hydrocarbons on Metals and Semiconductors,
by L. Ya. Margolis, S. Z. Roginskii. UNCL

RUSSIAN, bk, Problemy Kinetiki i Kataliza IX,
Kinetika i Kataliza, 1957, pp 107-116. 9077077

DSIR LIB N.904
RI-2407
OTS 60-13778
(loan)

111, 135

Sci - Chem
Mar 60

A Study of Oxygen Exchange on Vanadium Catalysts by
the Use of O^{18} , by L. Ya. Margolis and E. G. Plyshevskaya,
5 pp.

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 3, May-Jun 1952, pp 415-421.

USSR
Scientific - Chemistry

Consultants Bureau
UKSCA (Ref No 32-17)
SLA R-3626

Mar 54 CTS/DEX

10,226

New Method of Determination of the Physical and
Chemical Adsorption on Oxide Semiconductor
Catalysts, by S. Yu. Slovich, L. Ye. Margolin.
4 pp. UNCL

RUSSIAN, per, Dok Ak Nauk SSSR (Fiz Khim),
Vol CVII, 1956, pp 112-114. CIA 9039026

ACMIL 1033

Sci - Chem
Jun 59

88,442

Catalytic Oxidation of Propylene to Acrolein. I,
by O. V. Isayev, L. Ya. Margolis, S. Z. Roginsky,
5 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXIX, No 5,
1959, pp. 1522-1527.

Consultants Bureau

Sci

Jul 60

120, 452

A Copper Catalyst for the Oxidation of Propylene to Acrylic Acid, by C. V. Incev, M. Ya. Kuznetsov, L. Ye. Margolis, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CLIX, No 1,
1958, pp 104-106.

Consultants Bureau

Sci - Chem

May 59

87,032

Oxidation of Propylene to Acrolein on Vanadium and
Molybdenum Catalysts, by I. L. N. Kutsaeva, L. Ya.
Margolis, 5 pp.

VV
RUSSIAN, per, Zhur Obshch Khim, Vol XXXII,
No 1, 1962, pp 102-107.

CB

Sci

216,154

Oct 62

The Surface Charges of Semiconducting Oxides in
the Adsorption of Gases and Vapors, by E. Kh.
Enikoyev, L. Ya. Margolis and S. Z. Reginatskiy,
4 pp.

MEJSHAM, per, Dok Akad SSSR, Vol CXXIV, No 3.
1959, pp 606-608.

Consultative Bureau

Sci

Feb 60

108/160

Oxides of Transition Metals as Catalysts of
the Oxidation of Hydrocarbons, by L. Ya.
Margolis, S. Z. Roginsky, T. A. Gracheva, 4 pp.

RUSSIAH, no per, Zhur Obshch Khim, Vol XXVI,
No 5, May 1956, pp 1368-1370.

Consultants Bureau

Sci - Chemistry
May 57

47,294

assoc Tech Sv RI-574
H.16

Oxidation of Propylene on Cobalt-Manganese Spinel
with Lithium, Titanium, and Copper Oxides Added
By V. R. Linde, L. Ya. Margolis [p.5]

RUSSIAN, per Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 10, 1962, pp. 1723-1727

CB

Sci

343,073

Aug 63

Investigation of Adsorption of Gases on Manganese
Dioxide by the Electric Conductivity Method, by
S. Yu. Elovich, L. Ya. Margolis, 5 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Fiz, Vol XXI,
No 2, 1957, pp 206-210.

Columbia Tech

Sci - Physics
May 58

62, 987

Alteration of the Work Function of Oxide Semiconductors
by the Introduction of Additives, by E. Kh,
Enikeyev, L. Ya. Margolis, S. Z. Roginakiy, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXI, No 4,
1960, pp 807-809.

CB

150,017

Sci

Apr 61

Modifying of Catalysts for Hydrocarbon
Oxidation, by E. Kh. Enikolopyan, O. V. Isayev,
L. Ya. Margolin, 8 pp.

RUSSIAN, per, Kinetika i Kataliz, Vol I,
No 3, 1960, pp 431-439.

GB

168,551

Sci
Sep 61

Specificity of the Catalytic Oxidation of Unsaturated Hydrocarbons, by L. Ya. Margolis, S. Z. Roginskiy, 6 pp.

Full tr

RUSSIAN, no per, Iz Ak Nauk, Otdel Khim Nauk, No 3, 1956, pp 281-286. CIA 9000402

Consultants Bureau

area Tech P.J. '66
Sci - Chemistry
Sep 56 cts

38,672

The Fundamental Laws of the Catalytic Oxidation
of Hydrocarbons. Communication 2. Oxygen
Absorption on Oxidation Catalyst, by L. Ye.
Margolin, 6 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 2, 1959, pp 225-231.

Consultants Bureau

Sci - Chem
Apr 60

113,215

Kinetics of the Oxidation of Simple Unsaturated Hydrocarbons in the Presence of Vanadium Contact Catalysts, by L. Ya. Margolis, E. P. Malyarova, S. Z. Roginsky, 7 pp

Full translation.

RUSSIAN, bimo per, Iz Ak Nauk, Otdel Khim Nauk,
No 6, 1954, pp 958-965. CIA C 41022

Consultants Bureau

Scientific - Chemistry
Mar 56 CTS/dex

32, 014